

INTRODUCTION

Thank you for choosing this De'Longhi product. Please take a few minutes to read these instructions. This will prevent running any risks or damaging the appliance.

Symbols used in these instructions

Important warnings are identified using the symbols listed below. It is absolutely necessary to pay close attention to these warnings. Failure to follow the indications given could lead to electrical shocks, serious injury, burns, fire or damage to the appliance.



Danger!

Failure to comply could lead to injury from electrical shock and risk of death.



Attention!

Failure to comply could lead to injury or damage to the appliance.



Please note:

This symbol highlights advice and important information for the user.

Problems and repairs

For any repairs, always consult the Technical Service Centres authorised by the manufacturing company. Always request original replacement parts. Repairs performed by unqualified personnel can be dangerous and void the warranty.

FUNDAMENTAL SAFETY WARNING



Attention!

- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

FOR EUROPEAN MARKET ONLY:

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. Keep the appliance and its cord out of reach of children aged less than 8 years.



Danger! Since the appliance uses electricity, the following safety instructions must be followed:

- Modifying or changing the characteristics of the appliance in any way is dangerous.
- The appliance must be installed according to national laws governing electrical systems.
- For any repairs, always consult the Technical Service Centres authorised by the manufacturing company. Repairs performed by incompetent individuals can be hazardous.
- This appliance must be earthed. Have the electrical system checked by a qualified electrician.
- Avoid using extension cords.
- Before any cleaning or maintenance operation, always unplug from the mains.
- Do not pull on the electrical cord to move the appliance.
- Do not install the appliance in areas where the air may contain gas, oil or sulphur or near heat sources.
- If the power cable is damaged, it must be replaced by the manufacturer or the manufacturer's Customer Services in order to avoid all risk.



Please note:

- Clean the air filter at least once a week.
- When transporting, the appliance must be kept upright or resting on one side. Before transporting, drain all the water

from the appliance. After transporting, wait at least one hour before turning on the appliance.

- Do not cover the appliance with plastic bags when stored.
- The packaging materials are recyclable. Please place them in the appropriate recycling collection containers.
- At the end of its life, deliver the air conditioner to the appropriate collection centres.



Please note: Check the plate for the type of refrigerant gas used in your appliance.

Specific information regarding appliances with R410A refrigerant gas

R410A is a refrigerant that complies with European ecological standards; nevertheless, it is recommended not to pierce the cooling circuit of the machine. At the end of its useful life, deliver the appliance to a special waste collection centre for disposal.

This hermetically sealed system contains fluorinated greenhouse gases.

ENVIRONMENTAL INFORMATION: This unit contains fluorinated greenhouse gases covered by the Kyoto Protocol.

The maintenance and disposal operations must be carried out by qualified personnel only. (For more details on the refrigerant, see back cover).

Specific information regarding appliances with R290 refrigerant gas

- Thoroughly read all of the warnings.
- When defrosting and cleaning the appliance, do not use any tools other than those recommended by the manufacturing company.
- The appliance must be placed in an area without any continuous sources of ignition (for example: open flames, gas or electrical appliances in operation).
- Do not puncture and do not burn.
- Refrigerant gases can be odourless.
- The appliance must be installed, used and stored in an area that is greater than 13 m².
- This appliance contains 235 g of R290 refrigerant gas.
- R290 is a refrigerant gas that complies with the European directives on the environment. Do not puncture any part of the refrigerant circuit.
- If the appliance is installed, operated or stored in a non-ventilated area, the room must be designed to prevent the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, stoves, or other sources of ignition.
- The appliance must be stored in such a way as to prevent mechanical failure.

- Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by an accredited organisation that ensures competence in handling refrigerants according to a specific evaluation recognized by associations in the industry.
 - Repairs must be performed based on the recommendations from the manufacturing company.
- Maintenance and repairs that require the assistance of other qualified personnel must be performed under the supervision of an individual specified in the use of flammable refrigerants.

WARRANTY AND TECHNICAL ASSISTANCE

Warranty and technical assistance conditions are indicated in the documentation provided with your appliance.

TECHNICAL DATA

Power supply	See characteristic plate
Max absorbed power	
in air conditioning	"
Refrigerant	"
Cooling capacity	"
Limit operating conditions:	
Temperature in the room	
being cooled	21 ÷ 35°C

DISPOSAL



The appliance must not be disposed of with household waste, but taken to an authorised waste separation and recycling centre.

ELECTRICAL CONNECTION

Before plugging into the mains, check the following:

- the mains voltage is the same as that indicated on the plate on the back of the appliance;
 - the socket and electrical line are sized to support the load required;
 - the socket is the proper type for the plug, otherwise, replace the socket;
 - the socket is connected to an efficient earthing system.
- The manufacturer is not responsible in the event of non-compliance with these injury prevention standards.
- **The power cable must only be replaced by special-ised technicians.**

Below you will find all the information necessary for operating your air conditioner.

The appliance must be placed where there are no obstacles to air intake and output.

DESCRIPTION

Description of the appliance (see page 3 - Fig. A)

- A1** air outlet grille
- A2** control panel
- A3** handles
- A4** castor wheels
- A5** BioSilver filter
- A6** air intake grille
- A7** air exhaust hose housing
- A8** air intake grille
- A9** power cable
- A10** drainage hose with cap
- A11** remote control signal receiver
- A12** remote control compartment

Description of the accessories (see page 3 - Fig. B)

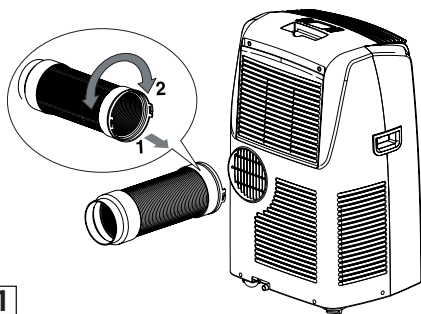
- B1** wall flange with cap
- B2** assembled air exhaust hose
- B3** window outlet
- B4** window bracket with pins
- B5** water drain hose with cap
- B6** remote control

USE

AIR CONDITIONING WITHOUT INSTALLATION

For optimal results set-up in a double-hung window:

- 1) Place the bracket in the window frame, extend the bracket fully within the window frame, fix the bracket by using the pin then lower the window onto the bracket. (Should the window bracket be too large for the window. The plastic can be cut with a saw by a qualified professional.)
- 2) Fit the air exhaust hose **B2** in the housing at the back of the appliance. Insert it as shown in figure 1.

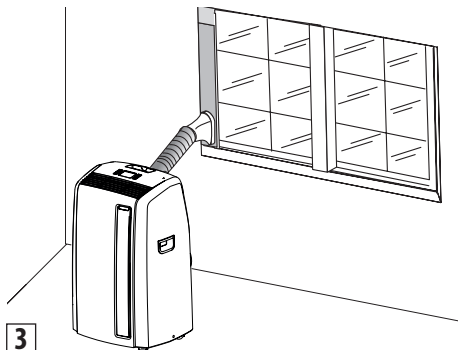


- 3) Connect the window outlet **B3** to the other end of the exhaust hose.
- 4) Insert the window outlet end of the exhaust hose into the slot of the window bracket (fig. 2).

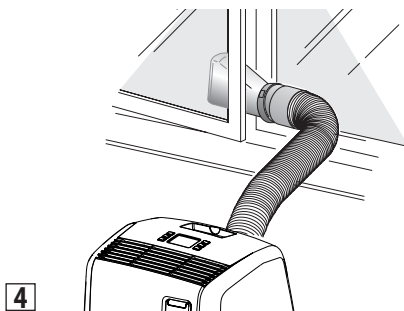


Other set-up methods:

- Thanks to the locking pins, it's possible to use the window bracket also for sliding windows. Position the hole of the bracket so to allow a correct installation of the exhaust hose (see figure 3).

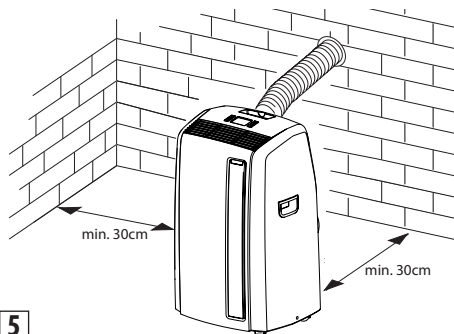


- If you have a casement window (figure 4) follow steps 2 & 3 and place the window outlet **B3** outside the window to exhaust the hot air.



SEMI-PERMANENT INSTALLATION

If required, your appliance can also be installed semi-permanently (Fig. 6).



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Proceed as follows:

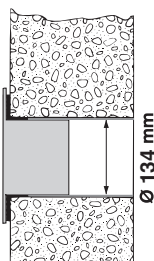
- Drill a hole $\varnothing 134$ mm in an outside wall or through a window pane. Respect the dimensions and height of the hole given in figure 7 and 8.



in the
window
panel



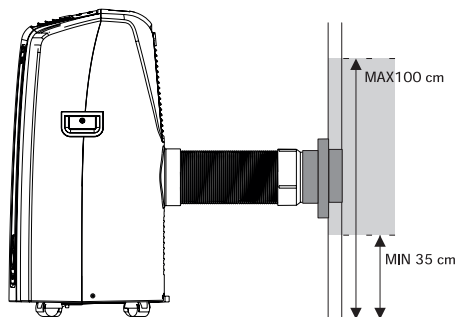
in the wooden
kickboard
of a French
window



in the wall:
you are
recommended
to insulate the
section of wall
using suitable
insulation.

6

- Fit the wall flange **B1** into the hole.
- Fit the air exhaust hose **B2** in the relevant housing located on the rear side of the appliance. (fig. 1).
- Fit the end of the hose **B2** to the wall flange **B1** as shown in fig. 8.
- When the hose **B2** is not connected, the drilled hole can be closed with the flange cap **B1**.



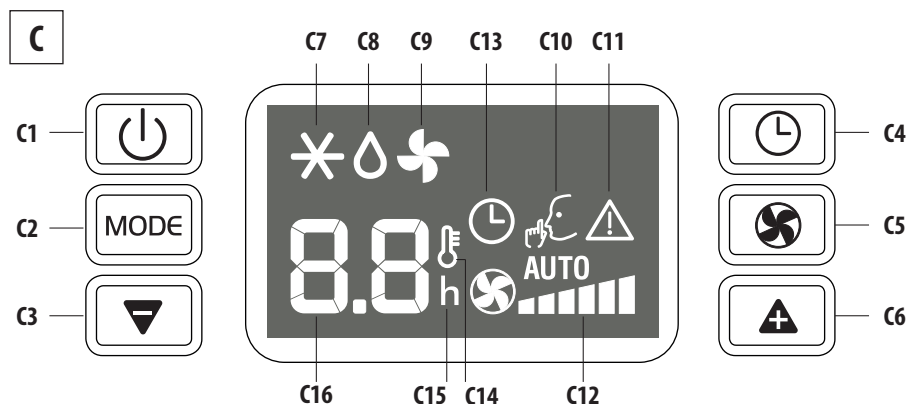
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NOTE: As special tools are required for installation, we suggest you have the appliance installed by specialized personnel.

NOTE: When installing the air conditioner semi-permanently, you should leave a door slightly open little as 1 cm to guarantee correct ventilation and room pressure.

NOTE: Keep the air hoses as short and free of curves as possible to avoid constrictions.

CONTROL PANEL



DESCRIPTION OF THE CONTROL PANEL (Fig. C)

- C1** ON/STAND-BY button
- C2** **MODE** selection button (conditioning, dehumidifying, fan)
- C3** Decrease temperature/programmed operation time button
- C4** Timer button
- C5** Fan speed selection button (LOW/MED/HIGH/AUTO)
- C6** Increase temperature/programmed operation time button
- C7** Air-conditioning symbol
- C8** Dehumidifying symbol
- C9** Fan symbol
- C10** Silent symbol

- C11** Alarm symbol
- C12** Fan speed indicator
- C13** Timer symbol
- C14** Set temperature symbol
- C15** Time indicator
- C16** Temperature value set, programmed delayed ON/OFF time

Note:

After few seconds of the control panel inactivity, its brightness will be automatically reduced.
When in stand-by after few minutes it will be further reduced.

OPERATING FROM THE CONTROL PANEL

TURNING THE APPLIANCE ON/OFF



Before plugging the appliance check the cap on back of the unit is correctly inserted on drainage hose A10.

Plug the appliance into the electrical receptacle. Two lines appear on the display indicating that the appliance is in stand-by. Press button (C1) to switch the appliance on. When turned on, the air conditioner starts operating in the same mode as when it was turned off.

To turn off the appliance, press the button, then unplug the appliance.

Note: Never switch off the appliance by unplugging it: always press the button, wait a few minutes and then unplug. Doing so, the appliance will run a check of the operating conditions.


* AIR CONDITIONING MODE




Ideal for hot muggy weather when you need to cool and dehumidify the room. To set this mode:


- Press repeatedly the **MODE** button (C2) until the


conditioning symbol is displayed: the display shows the desired temperature.


- Press + (C6) or - (C3) buttons to adjust the desired temperature.
- Select the fan speed by pressing the  button (C5).

You can choose:

--  **Minimum speed:** for silent operation. When selecting this speed in cooling mode, the appliance automatically turns to **SILENT mode** and the relevant symbol C10 will turn on. The noise level of the appliance is further reduced.

■■■■  **Medium speed:** reduces noise levels while maintaining a comfortable temperature.

■■■■■  **Maximum speed:** to achieve the target temperature as rapidly as possible.

AUTO ■■■■■  the appliance automatically selects the most suitable fan speed in relation to the temperature set on the digital display and current room temperature.

The most suitable indoor temperature for the room during the summer varies from 75°F to 81°F (24 to 27°C). You are recommended, however, not to set a temperature much below the outdoor temperature.

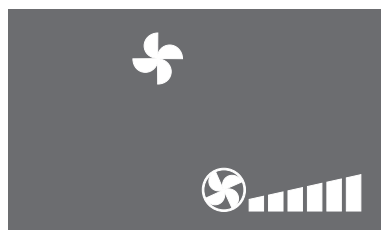
DEHUMIDIFYING MODE



Ideal to reduce room humidity (spring and autumn, damp rooms, rainy periods, etc). In dehumidifying mode, the appliance **MUST** be set-up in the same way as for air conditioning, with the air exhaust hose (B2) attached to enable the moisture to be discharged outside. To set this mode:

- Press repeatedly the **MODE** button until the dehumidifying symbol is displayed.

FAN MODE




When using the appliance in this mode, the air exhaust hose (B2) does not need to be connected.

To set this mode:

- Press repeatedly the **MODE** button until the fan symbol is displayed.
- Select the fan speed by pressing the  button (C5).

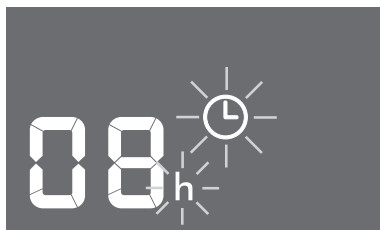
You can choose:

--  **Minimum speed:** for silent operation.

■■■■  **Medium speed:** reduces noise levels but still maintains a good level of comfort.

■■■■■  **Maximum speed:** for maximum fan power.

SETTING THE TIMER



The timer can be used to delay appliance start up or shutdown. This avoids wasting electricity by not operating the appliance when it is not needed.

How to program delayed start up

- Plug the appliance into the electrical receptacle and turn the unit to standby.
- Press the timer button (C4): the timer symbol (C13) and the number of hours come on.
- Use the + (C6) or - (C3) buttons to set the number of hours delay before the appliance comes on.
- A few second after set, the setting is memorised, the timer symbol is lit and the display shows that the appliance is in standby.
- The appliance will start working using the mode previously set. The appliance can be set to come on within the next 24 hours.

To delete the setting, press two times the timer button (C4). The timer symbol (C13) switches off.

How to program delayed shutdown

- With the air conditioner on, in every mode, it is possible to set the delayed shutdown.
- Press the Timer (C4) button: the timer symbol (C13) and the hours switch on.

- Use the + (C6) or - (C3) buttons to set the number of hours delay before the appliance turns off. A few second after set, the setting is memorised, the timer symbol is lit and the display shows the current mode.

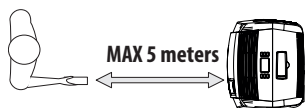
At the end of the set time the appliance automatically turns in standby mode.

To delete the setting, press two times the timer button (C4). The timer symbol (C13) switches off.

OPERATING FROM THE REMOTE CONTROL

USING THE REMOTE CONTROL

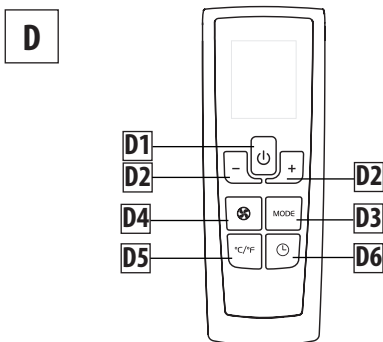
- Point the remote control at the receiver (A11) on the air conditioner. The remote control must be no more than 5 meters away from the appliance (without obstacles between the remote control and the receiver).
- The remote control must be handled with extreme care. Do not drop it or expose it to direct sunlight or sources of heat.



NOTE: The remote control can be safely stored in the appropriate compartment A12.

DESCRIPTION OF THE REMOTE CONTROL (FIG. D)

- D1) ON/STAND-BY button
 D2) Increase/decrease temperature/programmed operation
 D3) “MODE” selection button
 D4) Fan speed selection button
 D5) Switch button °C/°F
 D6) **TIMER** button





INSERTING OR REPLACING THE BATTERIES


- Remove the cover on the rear of the remote control;
- Replace the old batteries with two new R03 “AAA” 1.5V batteries, inserting them correctly (see the instructions inside the battery compartment);
- Replace the cover.

If the remote control unit is replaced or discarded, the batteries must be removed and disposed of in accordance with current legislation as they are harmful to the environment. Do not mix old and new batteries.

Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries. Do not dispose of batteries in fire. Batteries may explode or leak. If the remote control is not be used for a certain length of time, remove the batteries.

TURNING THE APPLIANCE ON AND OFF

- Plug into the electrical receptacle.
- Press the  button (D1) (when turned on, the air conditioner starts operating in the same mode as when it was turned off).
- To switch the appliance off, press button  (D1), then remove the plug.

NOTE: Never switch the appliance off by removing the plug. Always switch it off by pushing on the  button and waiting few minutes before removing the plug. Only in this way the appliance will perform the standard checkings.




FUNCTIONS SELECTION

The controls on the remote control are the same as those on the control panel of the appliance (C). You should therefore refer to the instructions in the chapter “OPERATING FROM THE CONTROL PANEL” to select the desired functions. Press button D5 to switch the temperature display from °C to °F and vice versa.

SELF-DIAGNOSIS

The appliance has a self diagnosis system to identify a number of malfunctions.

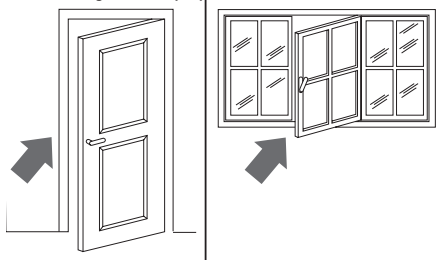
Error messages are displayed on the appliance display.

<p>IF ... IS DISPLAYED,</p>  <p>"Low Temperature" (frost prevention)</p> <p>..WHAT SHOULD I DO?</p> <p>The appliance is fitted with a frost protection device to avoid excessive formation of ice. The appliance starts up again automatically when the defrosting process is completed.</p>	<p>IF ... IS DISPLAYED,</p>  <p>Probe Failure (Probe damaged)</p> <p>..WHAT SHOULD I DO?</p> <p>If this is displayed, contact your local authorized service center.</p>	<p>IF ... IS DISPLAYED,</p>  <p>"High Level" (Internal tray full)</p> <p>..WHAT SHOULD I DO?</p> <p>Empty the internal safety tank following the instructions in the section "End of season operations". If HL alarm reoccurs frequently in Air Conditioning, Dehumidifying or Heating mode, contact your local authorized service center.</p>
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TIPS FOR CORRECT USE

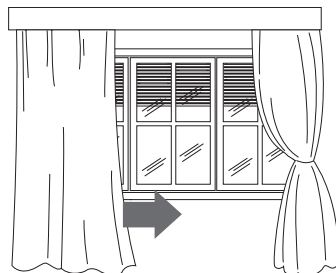
To ensure optimal results from your air conditioner, follow these recommendations:

- close the windows and doors in the room to be air conditioned. When installing the air conditioner semi-permanently, you should leave a door slightly open (as little as 1 cm) to guarantee proper ventilation.



Close doors and windows

- Never use the appliance in very damp rooms (laundries for example).
- Protect the room from direct exposure to the sun by partially closing curtains and/or blinds to make the appliance much more economical to run.



Close blinds or curtains


- Never use the appliance outdoors.
- Make sure there are no heat sources in the room.
- make sure the air conditioner is standing on a level surface.



do not cover the appliance

- Never rest objects of any kind on the air conditioner.
- Never obstruct the air intake or outlet grilles.

CLEANING

Before cleaning or maintenance, turn the appliance off by pressing the  button, then unplug from electrical receptacle.

CLEANING THE CABINET

You should clean the appliance with a slightly damp cloth then dry with a dry cloth. For safety reasons, never wash the air conditioner with water.

Precautions

Never use petrol, alcohol or solvents to clean the appliance. Never spray insecticide liquids or similar.

CLEANING THE BIO SILVER AIR FILTER

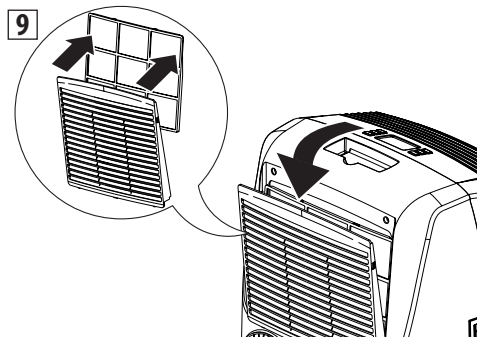
If the filter is dirty, air circulation is compromised and the efficiency of the dehumidifying and air purifying functions decreases.

It is therefore good practice to clean the filter at regular intervals. The frequency depends on the duration and conditions of operation.

If the unit is used constantly or systematically, you are recommended to clean the filter once a week.

The filter is housed in the intake grille.

To clean the filter, extract as shown in fig. 9.



Use a vacuum cleaner to remove the dust collected on the filter. If it is very dirty, immerse in warm water and rinse a number of times. The water should never be hotter than 40°C.

After washing the filter, allow it to dry completely before repositioning it.

The BioSilver filter helps capture dust and pollen and helps reduce the growth of bacteria and mold on the filter.

START OF SEASON CHECKS

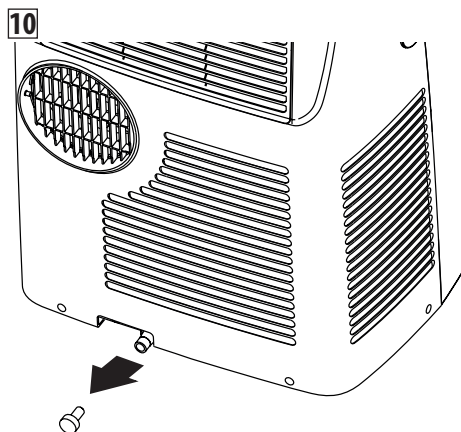
Make sure the power cable and plug are undamaged and the ground connection is efficient.

Follow the installation instructions precisely.

END OF SEASON OPERATIONS

To drain all water from the circuit, remove the cap **A10** from the drainage on the back of the appliance and allow the water to drain out into a basin (fig. 10).

To facilitate this operation, at the start of the season, it's possible to apply the water drain hose with cap **B6**.



When the appliance is empty, replace the cap.

Clean the filter and dry thoroughly before putting back.


Transport, filling, cleaning, recovery and disposal of refrigerant should be performed by a technical service centre appointed by the manufacturer only.

The appliance should be disposed of by a specialist centre appointed by the manufacturer only.

TO AVOID DAMAGE TO THE UNIT:

NEVER TRANSPORT OR TURN THE APPLIANCE UPSIDE DOWN OR ON ITS SIDE. IF THIS OCCURS, WAIT 6 HOURS BEFORE TURNING THE APPLIANCE ON, 24 HOURS IS RECOMMENDED. After the unit has been on its side, oil needs to return to the compressor to ensure proper function. Without allowing the unit this time (6-24 hours) the unit may function for only a short time, and then the compressor will break down from lack of oil.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The air conditioner does not come on	it is not plugged into the electrical receptacle	plug into the electrical receptacle
	there is no current	wait
	the internal safety device has tripped	call the Service Center
The air conditioner works for a short time only	there are bends or kinks in the air exhaust hose	position the air hose correctly, keeping it as short and free of curves as possible to avoid bottlenecks
	something is preventing the air from being discharged	check and remove any obstacles obstructing air discharge
The air conditioner works, but does not cool the room	windows, doors and/or curtains opened	close doors, windows and curtains, bearing in mind the "TIPS FOR CORRECT USE" given previously
	there are heat sources in the room (oven, hairdryer, etc)	eliminate the heat sources
	the air exhaust hose is detached from the appliance	fit the air exhaust hose in the housing at the back of the appliance (fig. 1).
	filter clogged	clean or replace the filter as previously described
	the technical specification of the appliance is not adequate for the room in which it is located.	
During operation, there is an unpleasant smell in the room	the filter is clogged	clean the filters as previously described
The air conditioner does not operate for about three minutes after restarting it	prevents the appliance from being restarted until three minutes have elapsed since it was last turned off	wait. This delay is part of normal operation.
The symbol  and one of the following messages: <i>HL</i> / <i>PF</i> appear on the display	the appliance has a self diagnosis system to identify a number of malfunctions.	see the SELF-DIAGNOSIS chapter